

Marine Life Protection Act Initiative



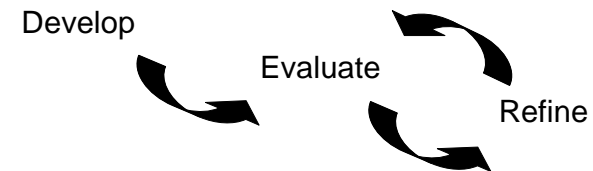
Overview of Round 1 Draft MPA Arrays and Draft External MPA Proposals

Evan Fox, Principal Planner • California MLPA Initiative

Presentation to the MLPA Blue Ribbon Task Force
April 15, 2009 • Dana Point, CA

Iterative Planning Process

- Draft marine protected area (MPA) arrays and proposals submitted in Round 1 are the first step in a three-part, iterative process
- Focus is gathering of information/testing ideas



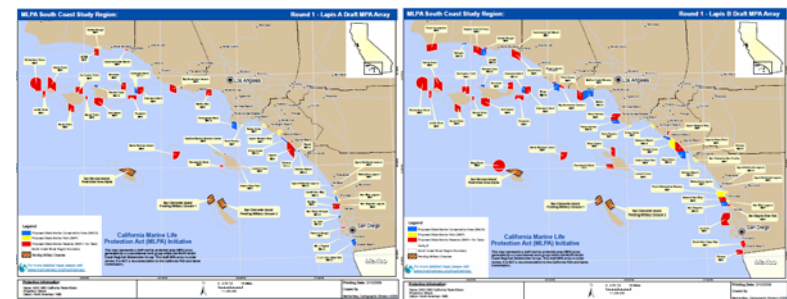
Round 1

- Existing MPAs (Proposal 0)
 - Represents the “no action alternative”
- Draft MPA arrays generated by three cross-interest work groups within the MLPA South Coast Regional Stakeholder Group (SCRSG)
 - 2 arrays from each “gem group” (Lapis, Opal and Topaz)
 - 6 total draft arrays from SCRSG
- Draft MPA proposals generated by groups external to the SCRSG gem process
 - 3 draft external proposals

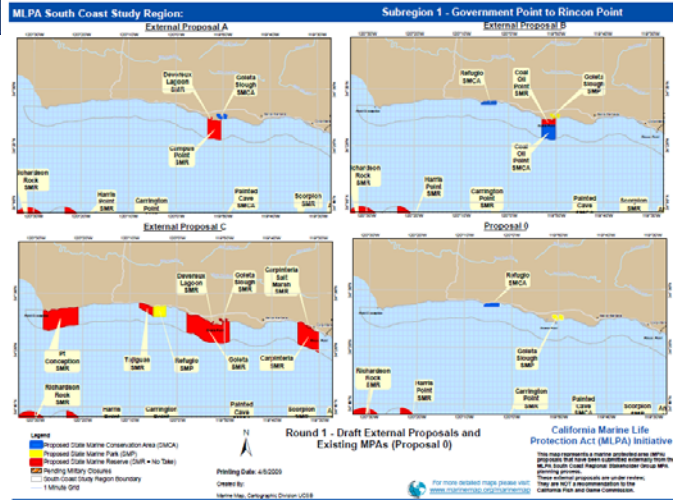
10 total MPA arrays/proposals evaluated in Round 1

Round 1 Draft MPA Arrays and Proposals

Example of 2 draft arrays generated by a gem work group



Subregion 1



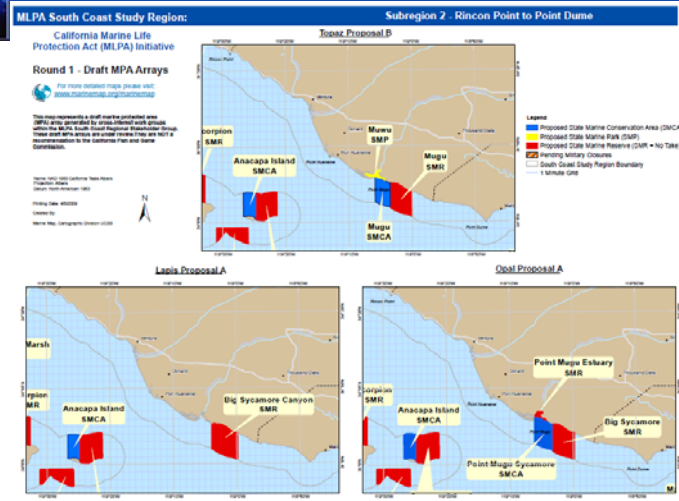
Subregion 1 – Key Issues

- Located at intersection between two biogeographic regions
- Several offshore reefs/kelp habitats and estuaries, as well as upwelling center and oil seeps
- Relatively undeveloped coastline and lower population density
- Consideration of users from port of Santa Barbara
- High consumptive use at Naples and Carpinteria reefs
- Existing kelp lease between Coal Oil Point and Campus Point

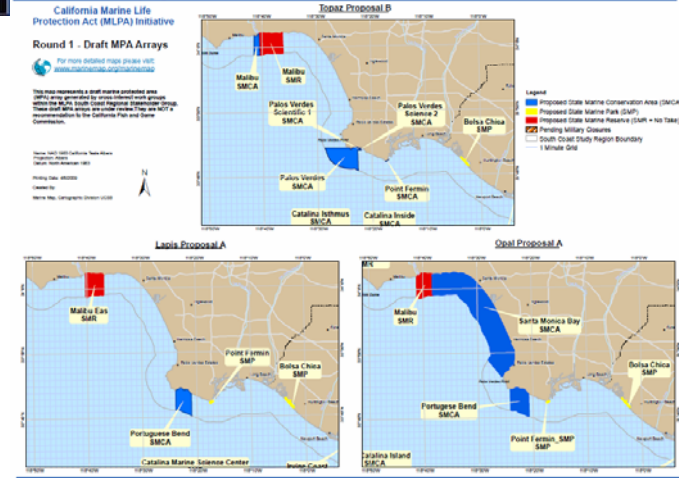
Subregion 1 – Key Issues (continued)

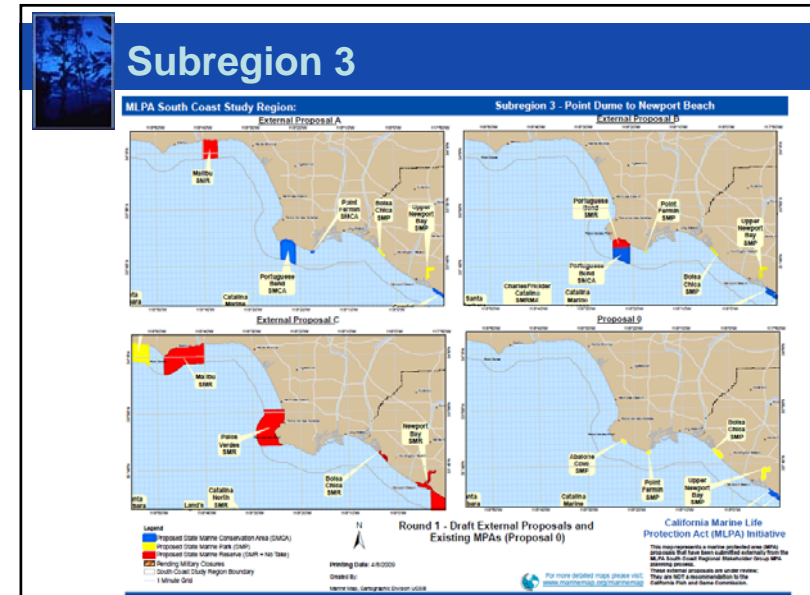
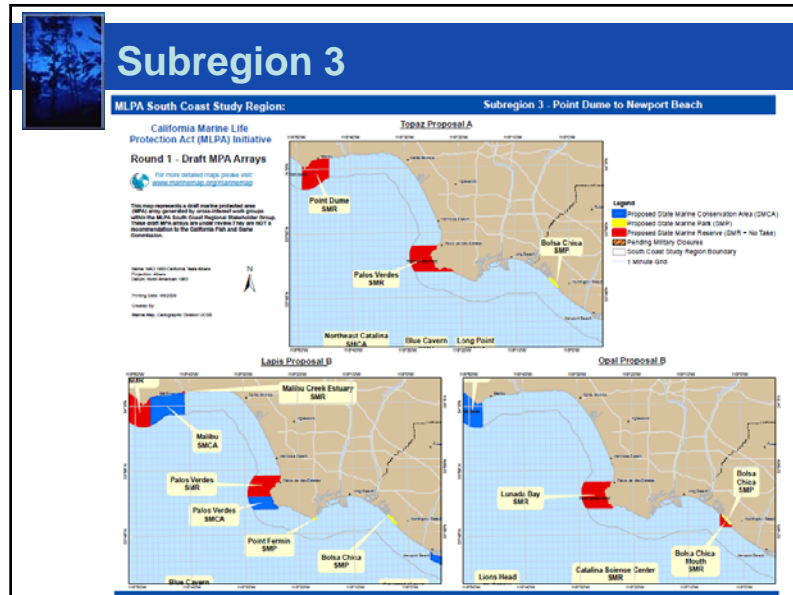
- Few access points west of Santa Barbara (boat launches at Goleta and Gaviota piers) and no public access between Gaviota and Point Conception
- Proximity to northern Channel Islands
- Military uses at Vandenberg Air Force Base
- Two existing MPAs (Refugio SMCA and Goleta Slough SMP)

Subregion 2



Subregion 2 - Rincon Point to Point Dume





Subregion 3 – Key Issues

- Kelp and rocky reefs on the north side of Santa Monica Bay and at Palos Verdes, with mostly soft habitats in between
- Canyon habitat off Redondo Beach
- Several larger estuaries south of Palos Verdes
- Consideration of users from Marina del Rey, King Harbor, Los Angeles/Long Beach/Terminal Island
- High consumptive use at Palos Verdes Peninsula
- Several fishing piers (Malibu, Venice, Redondo, Seal Beach, etc.)

Subregion 3 – Key Issues (continued)

- Sediment quality issues at Palos Verdes/White's Point
- Water quality issues associated with Los Angeles/Long Beach Harbor
- 3 power plant intakes in Santa Monica Bay (King Harbor, El Segundo, Scattergood)
- Large wetland restoration projects at Ballona and Bolsa Chica
- Existing fishing regulations in Santa Monica Bay (prohibits many forms of commercial fishing)
- Three existing MPAs (Abalone Cove SMP, Point Fermin SMP, and Bolsa Chica SMP)

Subregion 4

MLPA South Coast Study Region:

California Marine Life
Protection Act (MLPA) Initiative

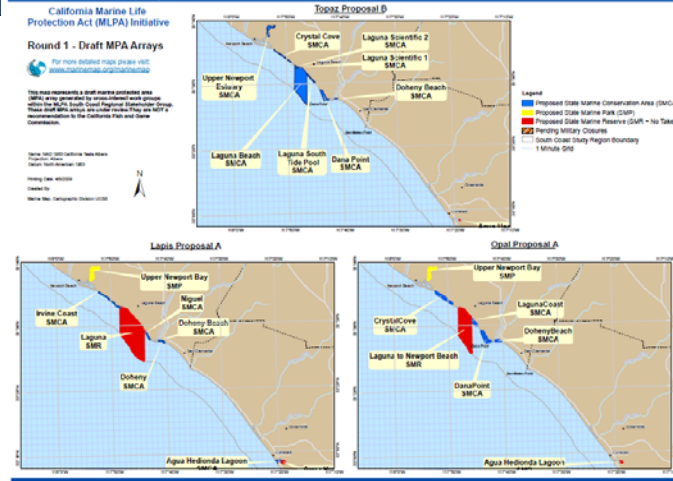
Round 1 - Draft MPA Arrays

For more detailed maps please visit:
www.californiamlpa.org/maps

This map represents a draft marine protected area (MPA) array proposed for the South Coast region. It is not a final recommendation. The MLPA South Coast Study Region is a study area for the California Marine Life Protection Act (MLPA) Initiative. The MLPA South Coast Study Region is a study area for the California Marine Life Protection Act (MLPA) Initiative. The MLPA South Coast Study Region is a study area for the California Marine Life Protection Act (MLPA) Initiative.

Scale: 1:50,000
Projection: NAD 83
Datum: North American 1983
Units: Feet
Version: 4/10/2010
Source: Esri, DeLorme, GeoEye, etc.

Subregion 4 - Newport Beach to Agua Hedionda



Subregion 4

MLPA South Coast Study Region:

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Protection Act (MLPA) Initiative

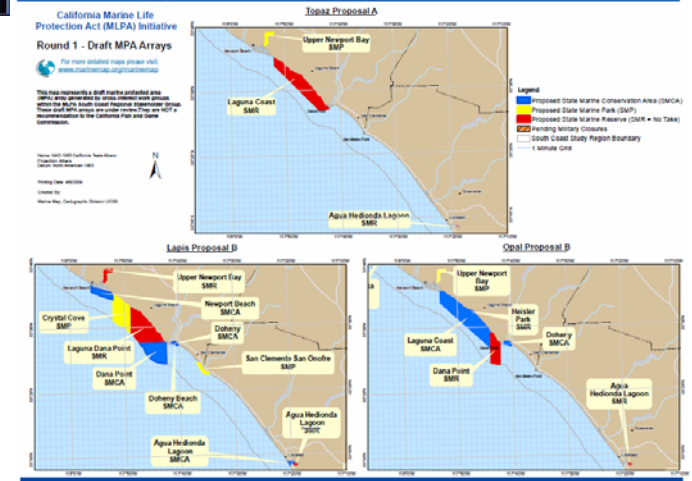
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Subregion 4 - Newport Beach to Agua Hedionda



Subregion 4

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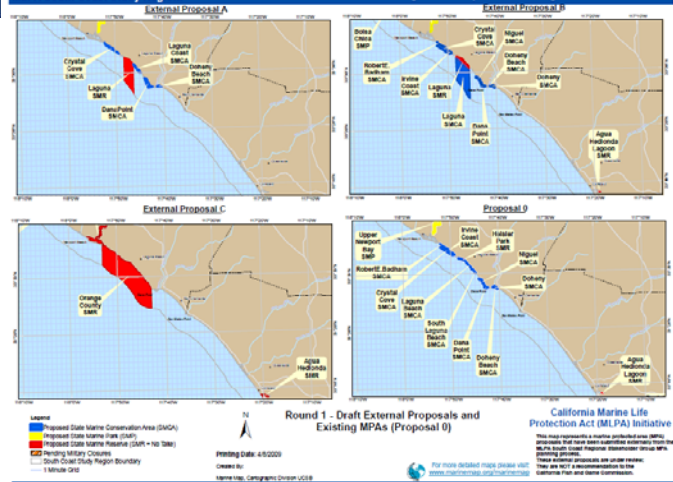
Round 1 - Draft External Proposals and
Existing MPAs (Proposal 0)

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Subregion 4 - Newport Beach to Agua Hedionda



Subregion 4 – Key Issues

- Rocky coastline and “pocket beaches” in Laguna Beach area
- Offshore kelp beds and reef near San Mateo Point
- Consideration of users from Newport Harbor, Dana Point Harbor and Oceanside Harbor
- High use (consumptive and non-consumptive) along Laguna Beach coastline

Subregion 4 – Key Issues (continued)

- Military uses at Camp Pendleton
- San Onofre Nuclear Generating Station (SONGS) intake and discharge
- Wheeler North artificial reef (SONGS mitigation project)
- High interest by local communities in existing MPAs (including MPA officers)
- Eleven existing MPAs (9 SMCAs in Newport to Dana Point area, as well as Heisler Park SMR, and Upper Newport Bay SMP)

Subregion 5

MLPA South Coast Study Region:

California Marine Life Protection Act (MLPA) Initiative

Round 1 - Draft MPA Arrays

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Source: NOAA Coastal Services Center, National Oceanic and Atmospheric Administration (NOAA)

Printing Date: 4/15/2010

Created by: Marine Map, Cartography Division 2010

Subregion 5 - Agua Hedionda to U.S. - Californian Border

Topaz Proposal B



Legend

Proposed State Marine Conservation Area (SMCA)

Proposed State Marine Park (SMP)

Proposed State Marine Reserve (SMR) - No Take

Pending Military Closures

South Coast Study Region Boundary

1 Minute Grid

Lapis Proposal A



Opal Proposal A



Subregion 5

MLPA South Coast Study Region:

Subregion 5 - Agua Hedionda to U.S. - Californian Border

California Marine Life Protection Act (MLPA) Initiative

Round 1 - Draft MPA Arrays

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Topaz Proposal A



Legend

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Proposed State Marine Park (SMP)

Proposed State Marine Reserve (SMR) - No Take

Pending Military Closures

South Coast Study Region Boundary

1 Minute Grid

Lapis Proposal B



Opal Proposal B



Subregion 5

MLPA South Coast Study Region:

Subregion 5 - Agua Hedionda to U.S. - Californian Border

California Marine Life Protection Act (MLPA) Initiative

Round 1 - Draft External Proposals and Existing MPAs (Proposal 0)

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External Proposal A



External Proposal B



External Proposal C



Proposal D



Round 1 - Draft External Proposals and Existing MPAs (Proposal 0)

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Subregion 6 – Key Issues (continued)

- Existing MPAs included in all draft MPA arrays and draft external MPA proposals per California Fish and Game Commission guidance
- Existing MPAs contribute significantly to SAT evaluations in habitat representation, habitat replication, size, benefits to marine birds/mammals and bioeconomic modeling

Subregion 7

MLPA South Coast Study Region:

California Marine Life Protection Act (MLPA) Initiative

Round 1 - Draft MPA Arrays

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Source: NOAA 2002 California Sea Grant

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Printing Date: 4/15/2010

Created By: Marine Policy Center/California State University

Subregion 7 - Santa Catalina and Santa Barbara Islands

Topaz Proposal B

Legend

Proposed State Marine Conservation Area (SMCA)

Proposed State Marine Park (SMP)

Proposed State Marine Reserve (SMR) - No Take

Pending Military Closures

South Coast Study Region Boundary

1 Minute GDT

Topaz Proposal A

Opal Proposal A

Subregion 7

MLPA South Coast Study Region:

Subregion 7 - Santa Catalina and Santa Barbara Islands

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Topaz Proposal A

Legend

Proposed State Marine Conservation Area (SMCA)

Proposed State Marine Park (SMP)

Proposed State Marine Reserve (SMR) - No Take

Pending Military Closures

South Coast Study Region Boundary

1 Minute GDT

Topaz Proposal B

Opal Proposal B

Subregion 7

MLPA South Coast Study Region:

Subregion 7 - Santa Catalina and Santa Barbara Islands

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Round 1 - Draft External Proposals and Existing MPAs (Proposal 0)

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External Proposal A

External Proposal B

External Proposal C

Proposal D

Legend

Proposed State Marine Conservation Area (SMCA)

Proposed State Marine Park (SMP)

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Pending Military Closures

South Coast Study Region Boundary

1 Minute GDT

External Proposal A

External Proposal B

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Proposal D

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Proposed State Marine Conservation Area (SMCA)

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Pending Military Closures

South Coast Study Region Boundary

1 Minute GDT

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Proposal D

Legend

Proposed State Marine Conservation Area (SMCA)


Proposed State Marine Park (SMP)

Proposed State Marine Reserve (SMR) - No Take

Pending Military Closures

South Coast Study Region Boundary

1 Minute GDT



Subregion 7 – Key Issues

- Many habitats in close proximity, including rocky reefs, kelp forests, underwater pinnacles and deeper canyon habitats
- San Nicolas Island influenced by cold water from the central coast
- High consumptive and non-consumptive use at Santa Catalina Island
- Existing fishing regulations at Catalina (prohibit most commercial use on northeast side of the island)



Subregion 7 – Key Issues (continued)

- San Nicolas and San Clemente Islands relatively remote
- Significant military uses and pending military closures at San Nicolas and San Clemente Islands
- Four existing MPAs (Santa Barbara Island SMR, Catalina Marine Science Center SMR, Lovers Cove SMCA and Farnsworth Bank SMCA)
- One existing special closure (to be considered in Round 2)



Summary of Key Issues

- High numbers of users access coastal resources from ports and access points throughout the study region
- Limited rocky reef and kelp habitats, where most consumptive and non-consumptive activities are concentrated
- Military uses and pending closures throughout the study region
- Water and sediment quality issues in several locations
- 42 existing MPAs to consider (as well as 3 special closures, to be further discussed in Round 2)

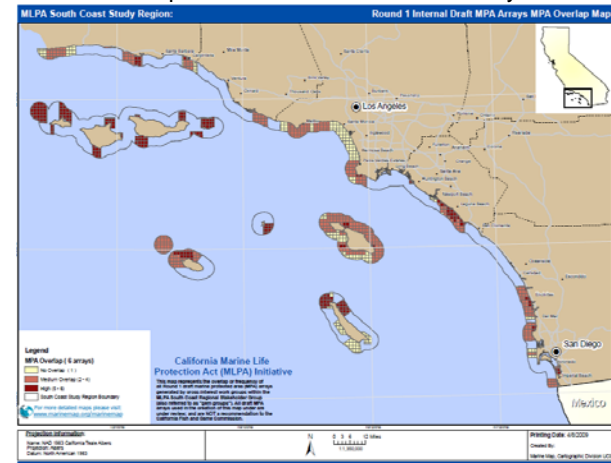


Opportunities for Convergence

- Round 1 draft arrays designed to gather information
 - A and B options in each gem group differed in design/approach
 - A and B options tended to represent relatively more and less restrictive designs
- Similarity among proposals
 - Several arrays/proposals suggest MPAs in similar geographies (Lapis A, Opal A, Topaz B, External A and External B) and represent opportunities for convergence to fewer proposals

Opportunities for Convergence

Overlap Between SCCRSG Draft Arrays



- Today
 - Task force to receive various evaluations of Round 1 draft MPA arrays/proposals
 - Task force to provide guidance to SCRSG for Round 2
- April 28-29
 - SCRSG receives feedback from the science team, DFG, California State Parks, staff, task force and public
 - SCRSG begins design of Round 2 draft proposals
- May 12
 - Revised Round 2 external proposals due
- May 21
 - SCRSG to finalize Round 2 draft MPA proposals
- July 21-22
 - Task force reviews Round 2 evaluations